The manner in which the ſeeds of the Horſetails are diſcharged is beautiful, and well deſerves our regard. The laborious and ingenuous Hedwig has well illuſtrated this particular, by a number of figures, in his *Theoria Pl. Crypt. Tab.* 1, 2. And I have found the truth of his Obſervations by examining the ſame ſubjects, under the firſt magnifier of Cuff's Compound Microſcope, as now ſold by *Nairn* and *Blount*, in London; my figures, however, vary a little from thoſe of Hedwig.

In the annexed Plate, A, is a ſingle ſhield ſeparated from the flower ſpike, and magnified with its curved ſupport, and its ſix ſeminal valves unopened. Theſe valves open by a longitudinal ſuture from top to bottom, on the inner ſide, and copiouſly diſcharge a ſoft downy powder, which when newly fallen or ſhook out may, through a moderate ſpy-glaſs, be ſeen to ſkip and leap about as if alive; after the diſcharge of this powder the ſeminal valves or capſules remain for ſome time in an horizontal direction, empty and dry, as is expreſſed at B; where the underſide of the ſhield and the inſide of the valves are repreſented.

The ſeparate ſeed-veſſels, if ſuch we may call them, conſiſt of an oval placenta, and four ſpoon-ſhaped filaments or ſtraps; to theſe laſt the ſeeds immediately adhere. While theſe